

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/030579

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B05C5/02 B29C47/16

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B05C B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/116881 A1 (NELSON JAMES M ET AL) 26 June 2003 (2003-06-26)	1, 2, 4-8, 10, 11, 13-17, 29-33
Y	paragraph '0095! - paragraph '0114! claims; figures	3, 18-28
X	US 5 587 184 A (LEONARD WILLIAM K ET AL) 24 December 1996 (1996-12-24)	1, 4-10, 13-17, 29, 31-33
X	US 3 241 183 A (TYRNER JOSEPH M) 22 March 1966 (1966-03-22)	1, 10, 29, 33
	the whole document	
	the whole document	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

12 November 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	EP 0 412 187 A (SUMITOMO HEAVY INDUSTRIES) 13 February 1991 (1991-02-13) the whole document	1-33
A	US 5 067 432 A (LIPPERT HARRY G) 26 November 1991 (1991-11-26) column 2, line 46 - column 4, line 20	1-33
A	US 2001/002281 A1 (NORIO SHIBATA ET AL) 31 May 2001 (2001-05-31) paragraph '0070! - paragraph '0075!	1-33

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Information on patent family members

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